

Appl. No. : Unknown U.S. National Phase of
PCT/CA2004/001470
Int'l Filing Date : August 6, 2004

AMENDMENTS TO THE CLAIMS

1. (Previously presented) A process for the preparation of a composition comprising a mixture of linolenic acids, said linolenic acids being 9*cis*,11*trans*,15*cis*-octadecatrienoic acid and 9*cis*,13*trans*,15*cis*-octadecatrienoic acid and having a ratio of 1:1 w:w, a concentration of said mixture varying between 30% and 90% by weight relative to the weight of the composition, said process comprising the steps of:

- blending one or a mixture of vegetable oils with various concentrations of linolenic acid or partial glycerides of such oils or partially purified and/or concentrated isomers with a base and in the presence of water; and
- recovering the resulting conjugated linolenic acids.

2. (Original) The process according to claim 1, characterised in that it is performed at a temperature ranging from 160°C to 200°C.

3. (Original) The process according to claim 2, characterised in that the temperature is 180°C.

4. (Original) The process according to claim 1, characterised in that it proceeds for a period varying between 0.5 hour to 4 hours.

5. (Original) The process according to claim 4, characterised in that the period is 2 hours.

6. (Original) The process of claim 1, characterised in that the vegetable oil comprises linseed oil, *Plukenetia volubilis* oil, borage oil or a mixture thereof.

7. (Original) The process of claim 1, characterised in that the base is selected from a group consisting of sodium hydroxide, sodium alkoxylate, sodium metal, potassium hydroxide, potassium alkoxylate and potassium metal.

8. (Original) The process according to claim 7, characterised in that the base is potassium hydroxide or sodium hydroxide.

9. (Previously presented) A composition comprising a mixture of linolenic acids, said linolenic acids being 9*cis*,11*trans*,15*cis*-octadecatrienoic acid and 9*cis*,13*trans*,15*cis*-octadecatrienoic acid, characterised in that said linolenic acids are present in a ratio of 1:1 w:w and said mixture varying between 30% and 90% by weight relative to the weight of the composition.

10. (Previously presented) The composition according to claim 9, characterised in that it comprises at least 40% by weight of said mixture, and less than 0.5% by weight of 11,13-cyclic by-product.

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11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Previously presented) Use of the composition according to claim 9, for dying oil in varnishes.
15. (Previously presented) A method for preventing or treating cancer in a mammal, comprising administering to a mammal a therapeutically effective amount of the composition according to claim 9.
16. (Previously presented) The method of claim 15, characterised in that the mammal is a human.
17. (Previously presented) The method of claim 15, characterised in that the cancer is breast cancer.